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NOTICE OF ALLOWANCE AND FEE(S) DUE

45993 7590 02/09/2009

IBM CORPORATION (RHF)
C/O ROBERT H. FRANTZ
P. O. BOX 23324
OKLAHOMA CITY, OK 73123

EXAMINER

SHIH, HAOSHIAN

ART UNIT

PAPER NUMBER

2173

DATE MAILED: 02/09/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/692,173

10/23/2003

Yen-Fu Chen

AUS920030664US1

8343

TITLE OF INVENTION: SYSTEM AND METHOD FOR AUTOMATIC INFORMATION COMPATIBILITY DETECTION AND PASTING INTERVENTION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/11/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

45993 7590 02/09/2009

IBM CORPORATION (RHF)
C/O ROBERT H. FRANTZ
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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/692,173 10/23/2003 Yen-Fu Chen AUS920030664US1 8343

TITLE OF INVENTION: SYSTEM AND METHOD FOR AUTOMATIC INFORMATION COMPATIBILITY DETECTION AND PASTING INTERVENTION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
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nonprovisional NO \$1510 \$300 \$0 \$1810 05/11/2009

EXAMINER	ART UNIT	CLASS-SUBCLASS
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SHIH, HAOSHIAN 2173 715-769000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
- 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/692,173	10/23/2003	Yen-Fu Chen	AUS920030664US1	8343
45993	7590	02/09/2009	EXAMINER	
IBM CORPORATION (RHF) C/O ROBERT H. FRANTZ P. O. BOX 23324 OKLAHOMA CITY, OK 73123			SHIH, HAOSHIAN	
			ART UNIT	PAPER NUMBER
			2173	
DATE MAILED: 02/09/2009				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 920 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 920 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability	Application No.	Applicant(s)	
	10/692,173	CHEN ET AL.	
	Examiner	Art Unit	
	HAOSHIAN SHIH	2173	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 01/16/2009.
2. ☒ The allowed claim(s) is/are 1-15.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

/Tadesse Hailu/
Primary Examiner, Art Unit 2173

DETAILED ACTION

1. Claims 1-15 are presented for examination.

EXAMINER'S AMENDMENT

2. An Examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to the applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Robert H. Frantz, Reg. No. 42,553, on 01/09/2009.

3. The application has been amended as follows: **In the claims:**

1. (Currently Amended) A computer-implemented method ~~for transferring content from one computer resource to another computer resource~~, comprising the steps of:
providing a destination-first, source-second element copier configured to allow a user in a first user interface to a first computer resource to designate a destination point or area in said first computer resource, and to subsequently select in a second user interface to a second computer resource two or more information elements in said second computer resource;

~~performing by a user in a first user interface to a first computer resource a designation of a destination point or area in said first computer resource;~~

~~subsequently, performing by said user in a second user interface to a second computer resource a selection of two or more information elements in said second computer resource;~~

subsequent to said user selections ~~step of selection~~, automatically copying said selected information elements into a transfer buffer, thereby concatenating two or more information elements into said buffer, said transfer buffer comprising a clipboard in memory;

upon attempt to automatically transfer said information items from said buffer, intercepting the transfer to said destination point or area of one or more information elements;

performing a compatibility check for each intercepted information element with the destination computer resource by consulting one or more user-configurable compatibility rules to classify elements as incompatible or compatible;

for each incompatible element, performing a compatibility handling action as defined by one or more conversion rules; and

for each compatible element, allowing transfer of the unmodified compatible element to the destination.

2. (Currently Amended) The method as set forth in Claim 1 further comprising the ~~steps of:~~

invoking a rule management user interface responsive to finding no existing compatibility rule for an element to be transferred; and

allowing, via said rule management user interface, a user action selected from a group comprising the list of creating a new compatibility rule, deleting a compatibility rule, and modifying a compatibility rule.

3. (Currently Amended) The method as set forth in Claim 1 further comprising ~~the steps of~~:

invoking a rule management user interface responsive to finding no existing conversion rule for an element to be transferred; and

allowing, via said rule management user interface, a user action selected from a group comprising the list of creating a new conversion rule, deleting a conversion rule, and modifying a conversion rule.

4. (Currently Amended) The method as set forth in Claim 3 wherein said user action of creating and modifying a conversion rule comprises creating and modifying a conversion rule which specifies performing an action selected from ~~[[the]]~~ a group ~~[[of]]~~ comprising converting a text element from one format to another format, converting a graphic image element from one format to another format, converting a video clip element from one format to another format, converting an audio clip element from one format to another format, converting animated image element from one format to another format, isolating an element, isolating an element and transferring an

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annotation to said destination, isolating an element and transferring a hyperlinked annotation to said destination.

5. (Currently Amended) The method as set forth in Claim 1 wherein said ~~step of~~ performing a compatibility handling action comprises performing an action selected from the a group comprising ~~list of~~ converting a text element from one format to another format, converting a graphic image element from one format to another format, converting a video clip element from one format to another format, converting an audio clip element from one format to another format, converting an animated image element from one format to another format, isolating an element, isolating an element and transferring an annotation to said destination, isolating an element and transferring a hyperlinked annotation to said destination.

6. (Currently Amended) A computer-readable memory comprising ~~medium encoded with software for transferring content from one computer resource to another computer resource, said software performing the steps of:~~

a computer readable memory suitable for encoding computer programs; and one or more computer programs encoded by said memory and configured to transfer content from one computer resource to another computer resource by:

providing a destination-first, source-second element copier configured to allow a user in a first user interface to a first computer resource to designate a destination point or area in said first computer resource, and to subsequently select in a second user

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interface to a second computer resource two or more information elements in said second computer resource;

~~performing by a user in a first user interface to a first computer resource a designation of a destination point or area in said first computer resource;~~

~~subsequently, performing by said user in a second user interface to a second computer resource a selection of two or more information elements in said second computer resource;~~

subsequent to said step of selection, automatically copying said selected information elements into a transfer buffer, thereby concatenating two or more information elements into said buffer, said transfer buffer comprising a clipboard in memory;

upon attempt to automatically transfer said information items from said buffer, intercepting the transfer to said destination point or area of one or more information elements selected;

performing a compatibility check for each intercepted information element with the destination computer resource by consulting one or more user-configurable compatibility rules to classify elements as incompatible or compatible;

for each incompatible element, performing a compatibility handling action as defined by one or more conversion rules; and

for each compatible element, allowing transfer of the unmodified compatible element to the destination.

7. (Currently Amended) The computer readable memory medium as set forth in Claim 6 further comprising

computer program configured to software for performing the steps of:

invoke invoking a rule management user interface responsive to finding no existing compatibility rule for an element to be transferred; and

allow allowing, via said rule management user interface, a user action selected from a group comprising the list of creating a new compatibility rule, deleting a compatibility rule, and modifying a compatibility rule.

8. (Currently Amended) The computer readable memory medium as set forth in Claim 6 further comprising computer program configured to software for performing the steps of:

invoke invoking a rule management user interface responsive to finding no existing conversion rule for an element to be transferred; and

allow allowing, via said rule management user interface, a user action selected from a group comprising the list of creating a new conversion rule, deleting a conversion rule, and modifying a conversion rule.

9. (Currently Amended) The computer readable memory medium as set forth in Claim 8 wherein ~~said software for~~ creating and modifying a conversion rule comprises ~~software for~~ creating and modifying a conversion rule which specifies performing an action selected from a ~~[[the]]~~ group comprising ~~[[of]]~~ converting a text element from one format to another format, converting a graphic image element from one format to

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another format, converting a video clip element from one format to another format, converting an audio clip element from one format to another format, converting animated image element from one format to another format, isolating an element, isolating an element and transferring an annotation to said destination, isolating an element and transferring a hyperlinked annotation to said destination.

10. (Currently Amended) The computer readable memory medium as set forth in Claim 6 wherein said ~~software for~~ performing a compatibility handling action comprises ~~software for~~ performing an action selected from a group comprising the list of converting a text element from one format to another format, converting a graphic image element from one format to another format, converting a video clip element from one format to another format, converting an audio clip element from one format to another format, converting animated image element from one format to another format, isolating an element, isolating an element and transferring an annotation to said destination, isolating an element and transferring a hyperlinked annotation to said destination.

12. (Currently Amended) The system as set forth in Claim 11 further comprising:

- a rule management user interface, invoked in response to finding no existing compatibility rule for an element to be transferred; and
- one or more user options provided via said rule management user

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interface, for selecting a compatibility rule management action from a group comprising ~~the list of~~ creating a new compatibility rule, deleting a compatibility rule, and modifying a compatibility rule.

13. (Currently Amended) The system as set forth in Claim 11 further comprising:

a rule management user interface, invoked in response to finding no existing conversion rule for an element to be transferred; and

one or more user options provided via said rule management user interface, for selecting a user action from ~~the list of~~ a group comprising creating a new conversion rule, deleting a conversion rule, and modifying a conversion rule.

14. (Currently Amended) The system as set forth in Claim 13 wherein said user action group ~~[[list]]~~ comprises at least one action selected from a group comprising ~~the list of~~ creating and modifying a conversion rule which specifies performing an action selected from the group of converting a text element from one format to another format, converting a graphic image element from one format to another format, converting a video clip element from one format to another format, converting an audio clip element from one format to another format, converting animated image element from one format to another format, isolating an element, isolating an element and transferring an annotation to said destination, isolating an element and transferring a hyperlinked annotation to said destination.

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15. (Currently Amended) The system as set forth in Claim 11 wherein said compatibility action handler is further configured to perform an action selected from a group comprising ~~the list of~~ converting a text element from one format to another format, converting a graphic image element from one format to another format, converting a video clip element from one format to another format, converting an audio clip element from one format to another format, converting an animated image element from one format to another format, isolating an element, isolating an element and transferring an annotation to said destination, isolating an element and transferring a hyperlinked annotation to said destination.

Allowable Subject Matter

4. Claims 1-15 are allowed.
5. The following is an examiner's statement of reasons for allowance:
6. The current application is directed to a method, a system and a computer readable memory for providing a destination-first, source-second element copier configured to allow a user in a first user interface to a first computer resource to designate a destination point or area in said first computer resource, and to subsequently select in a second user interface to a second computer resource two or more information elements in said second computer resource, wherein the selected computer resources are copied and concatenated into a single transfer buffer; and a

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compatibility rules are performed on the copied resources to ensure the copied resources are compatibility with the destination point.

The closest prior art to the current application is Apperley et al. (Apperley, "Breaking the copy/paste cycle: the stretchable selection tool"). Apperley describes a software application for providing a destination-first, source-second element copier. Apperley does not specifically disclose that multiple copied resources are concatenated into a single transfer buffer.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

/Tadesse Hailu/

Primary Examiner, Art Unit 2173